

DOCKET: CU-2409

**IN THE UNITED STATES PATENT & TRADEMARK OFFICE**

APPLICANT: Christoph HELLER et al )  
 )  
 TITLE: DEVICE AND METHOD FOR MINIATURIZED, HIGHLY )  
 PARALLEL ELECTROPHORETIC SEPARATION )  
 )  
 COMPLETION OF PCT/EP99/03834 filed 02 June 1999 )

The Commissioner for Patents (DO/EO/US)  
 Box PCT  
 Washington, D.C. 20231

**PRELIMINARY AMENDMENT**

Dear Sir:

Prior to the examination of this application, please amend the claims as follows:

**IN THE CLAIMS:**

1. (Amended) An electrophoresis device with a plurality of separation channels [(S)] that can be separately loaded with samples, which are each connected with a sample channel, from which samples can be injected into the respective separation channel during exposure to an electrical field, [characterized by the fact that] wherein the sample channels are interconnected, thereby forming a shared injection channel [(I), which] that intersects the separation channels [(S)] at crossing points, and whose ends have electrodes [(E3, E4)] for generating the electrical field exposure, wherein the injection channel [(I)] has [an] plural exposed application [area (A)] areas, one area adjacent to each separation channel [(S)] on a predetermined side of the respective crossing point, [which] each said application area [(A)] being designed for taking samples by means of a micro-dispenser.

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